

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
 Data File : VN083356.D
 Acq On : 16 Aug 2024 16:03
 Operator : JC\MD
 Sample : PB162767TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB162767TB

Quant Time: Aug 17 01:47:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

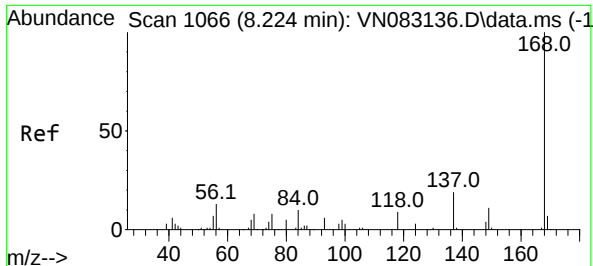
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	123984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	106581	60.394	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.780%			
35) Dibromofluoromethane	8.171	113	84759	54.334	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.660%			
50) Toluene-d8	10.571	98	323305	55.560	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.120%			
62) 4-Bromofluorobenzene	12.847	95	137140	60.452	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 120.900%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	794	2.165	ug/l #	71
16) Acetone	4.436	43	22097	31.999	ug/l	92
18) Methyl Acetate	5.024	43	536	0.261	ug/l #	56
20) Methylene Chloride	5.283	84	7968	5.014	ug/l #	80
25) 2-Butanone	7.488	43	6942	6.547	ug/l	94
29) Tetrahydrofuran	7.841	42	298	0.435	ug/l #	54
31) Cyclohexane	8.224	56	2986	1.142	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11325	4.799	ug/l #	50
37) Ethyl Acetate	7.565	43	3029	1.146	ug/l #	78
38) Carbon Tetrachloride	8.230	117	14767	5.556	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	826	0.323	ug/l #	78
43) Isopropyl Acetate	8.694	43	148438	31.384	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1389	0.832	ug/l #	44
48) Methyl methacrylate	9.671	41	3288	1.505	ug/l #	51
51) 4-Methyl-2-Pentanone	10.447	43	5305	2.123	ug/l	94
53) t-1,3-Dichloropropene	10.724	75	733	0.266	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	41511	14.167	ug/l #	60
56) Ethyl methacrylate	10.982	69	889	0.296	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5343	1.883	ug/l #	43
59) 2-Hexanone	11.171	43	101293	52.403	ug/l #	28
71) Bromoform	12.841	173	408	0.250	ug/l #	29
74) N-amyl acetate	12.476	43	2100	0.415	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	74389	27.405	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74389	59.613	ug/l #	6

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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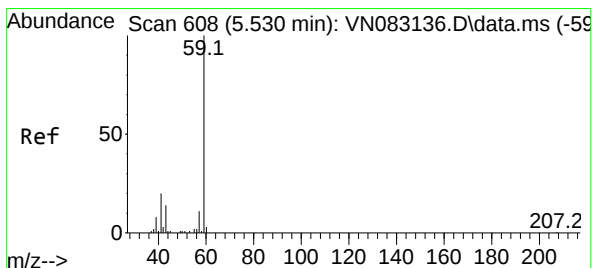
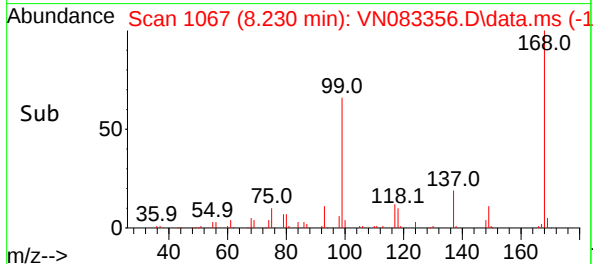
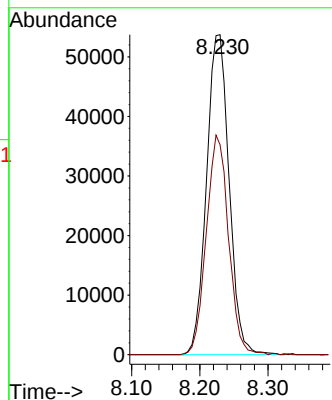
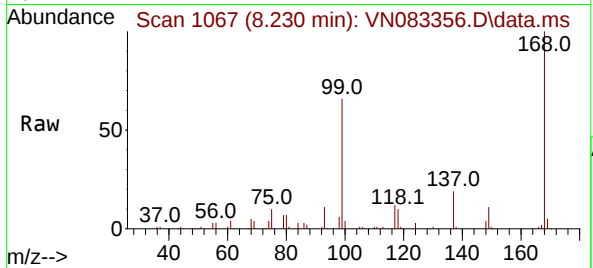




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

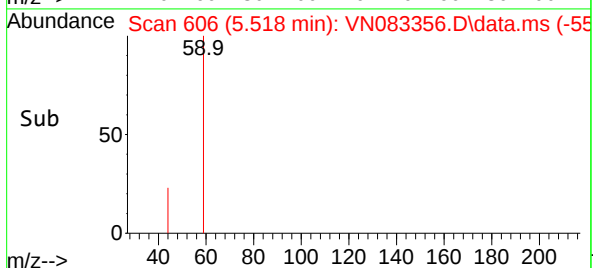
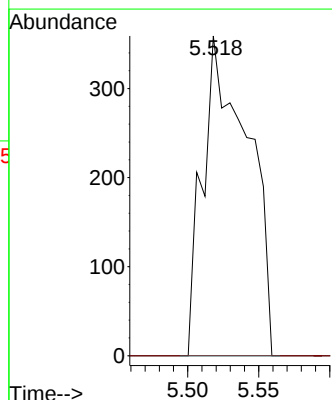
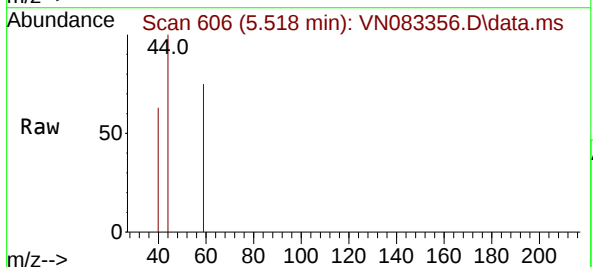
Instrument :
MSVOA_N
ClientSampleId :
PB162767TB

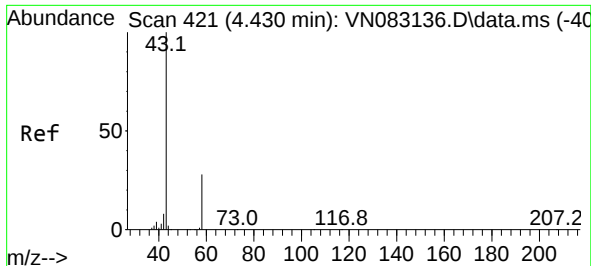
Tgt Ion:168 Resp: 123984
Ion Ratio Lower Upper
168 100
99 65.6 48.2 72.4



#11
Tert butyl alcohol
Concen: 2.165 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

Tgt Ion: 59 Resp: 794
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

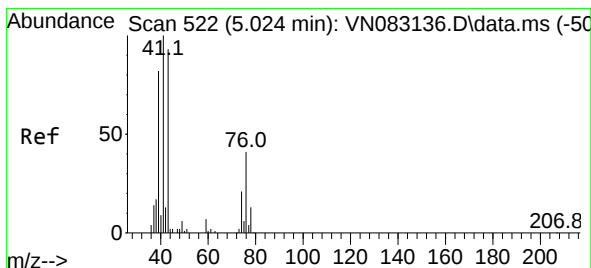
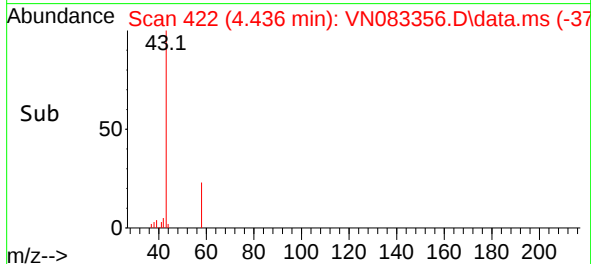
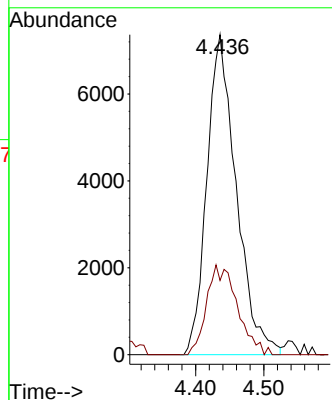
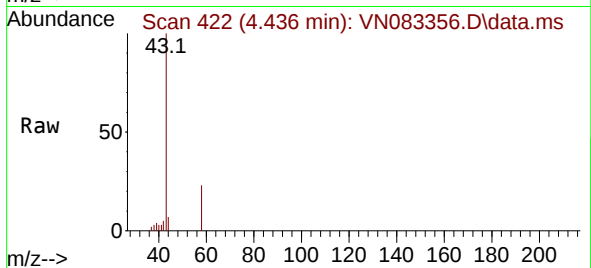




#16
Acetone
Concen: 31.999 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

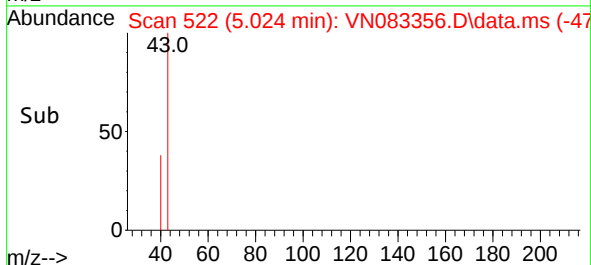
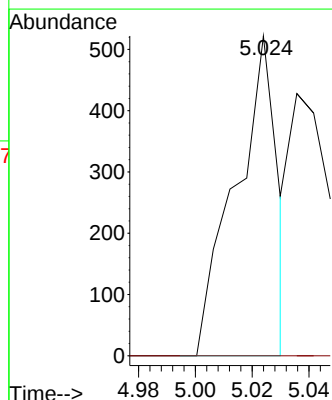
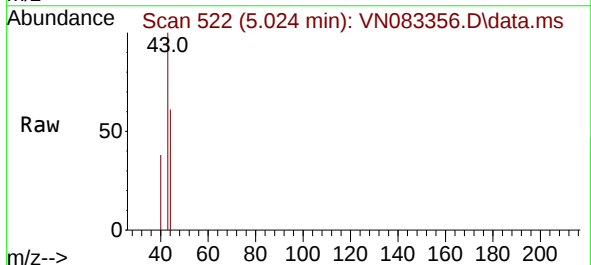
Instrument :
MSVOA_N
ClientSampleId :
PB162767TB

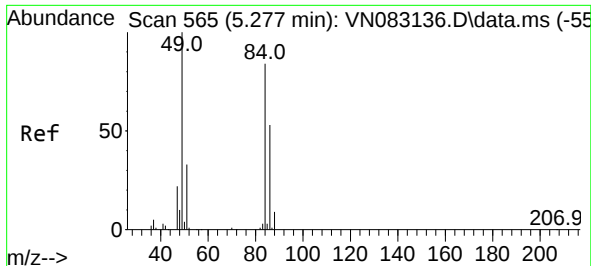
Tgt Ion: 43 Resp: 22097
Ion Ratio Lower Upper
43 100
58 23.2 21.8 32.6



#18
Methyl Acetate
Concen: 0.261 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

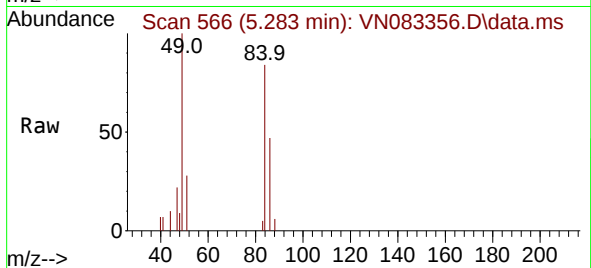
Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



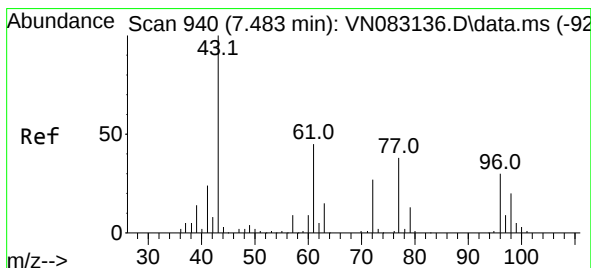
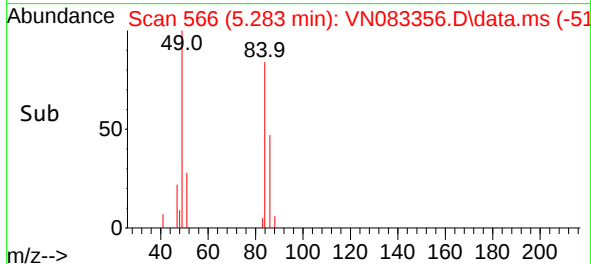
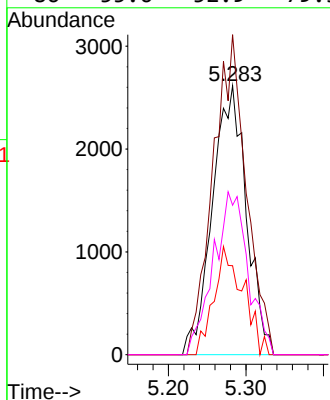


#20
Methylene Chloride
Concen: 5.014 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

Instrument :
MSVOA_N
ClientSampleId :
PB162767TB

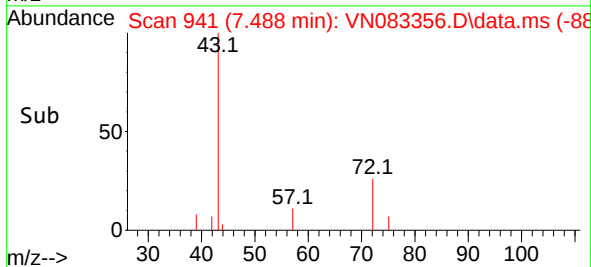
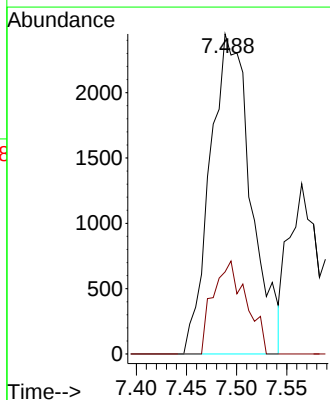
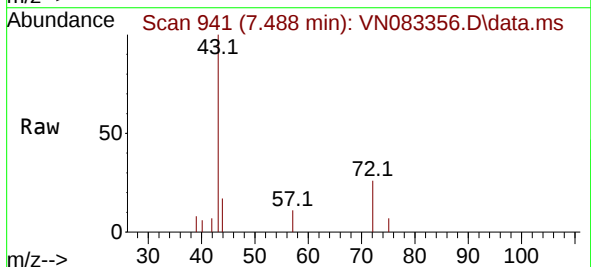


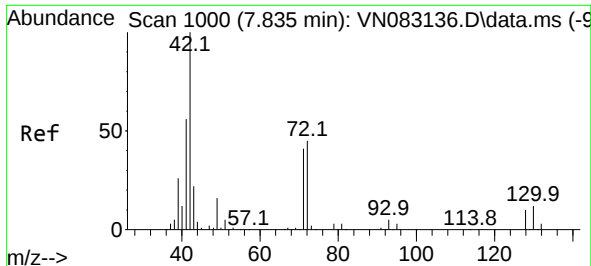
Tgt Ion:	84	Resp:	7968
Ion	Ratio	Lower	Upper
84	100		
49	119.0	119.6	179.4#
51	33.1	34.8	52.2#
86	55.6	52.9	79.3



#25
2-Butanone
Concen: 6.547 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

Tgt Ion:	43	Resp:	6942
Ion	Ratio	Lower	Upper
43	100		
72	25.7	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.435 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :

PB162767TB

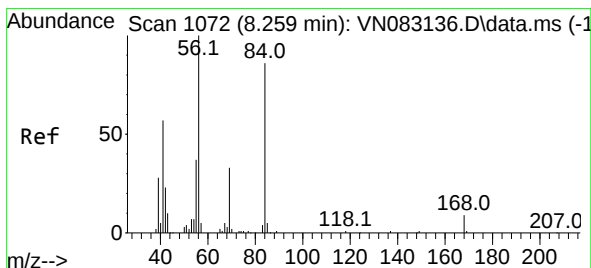
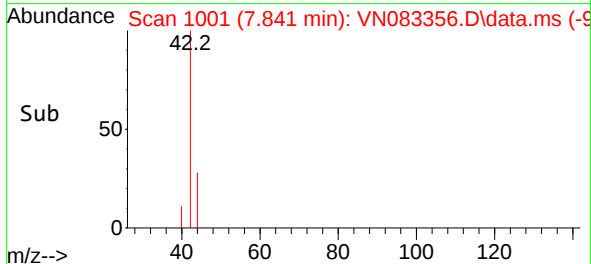
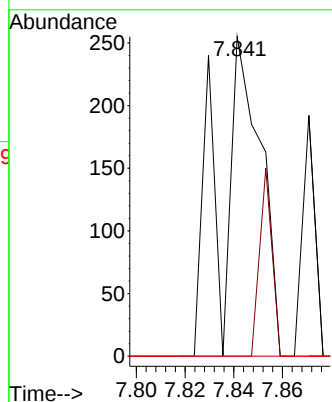
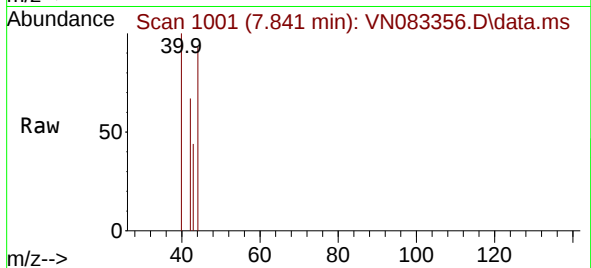
Tgt Ion: 42 Resp: 298

Ion Ratio Lower Upper

42 100

72 17.8 30.0 45.0#

71 0.0 28.3 42.5#



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

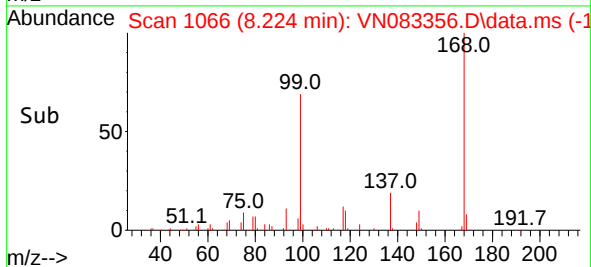
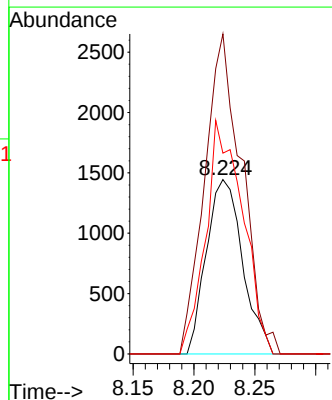
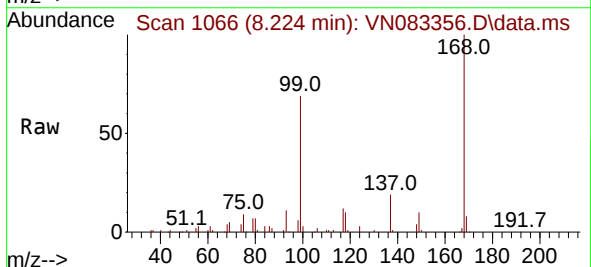
Tgt Ion: 56 Resp: 2986

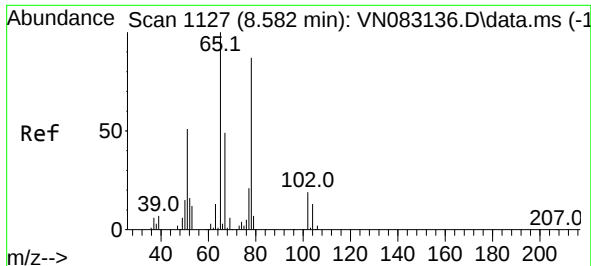
Ion Ratio Lower Upper

56 100

69 183.5 24.5 36.7#

84 115.1 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 60.394 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :

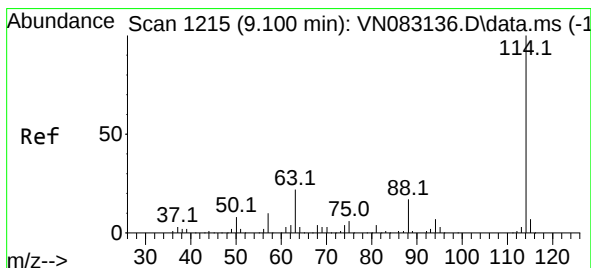
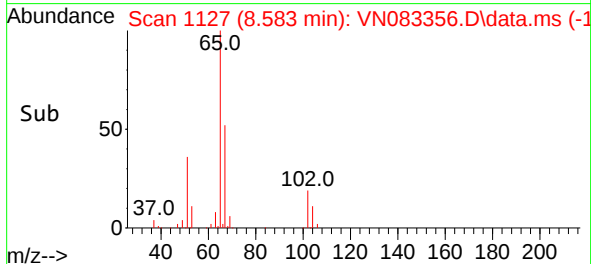
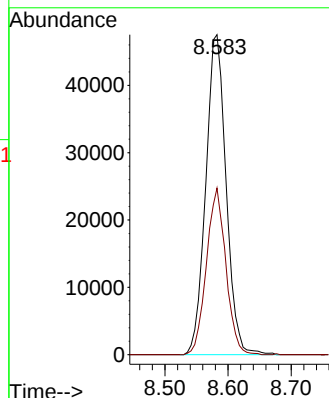
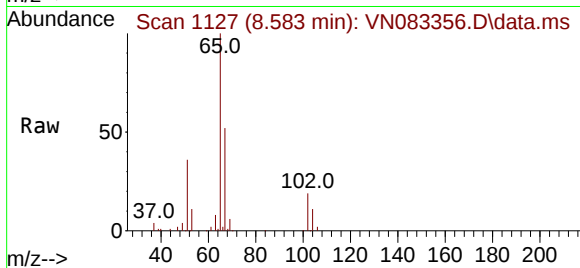
PB162767TB

Tgt Ion: 65 Resp: 106581

Ion Ratio Lower Upper

65 100

67 49.7 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

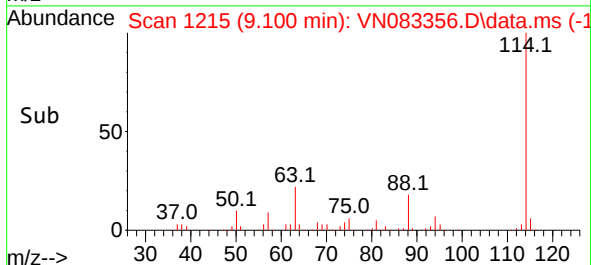
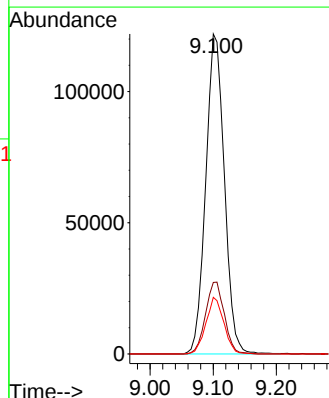
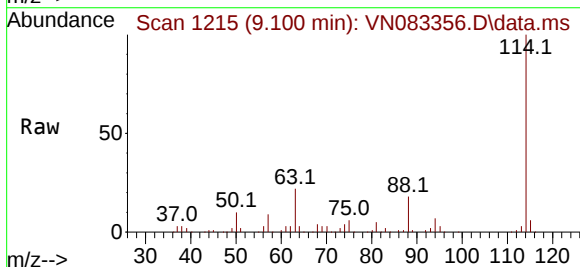
Tgt Ion: 114 Resp: 249922

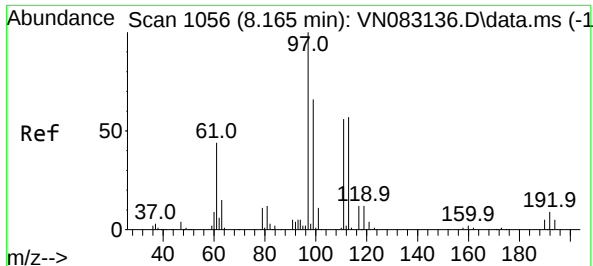
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.6

88 17.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.334 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :

PB162767TB

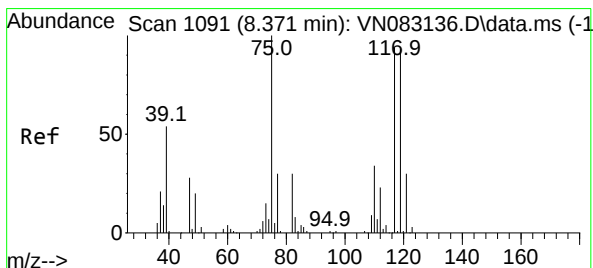
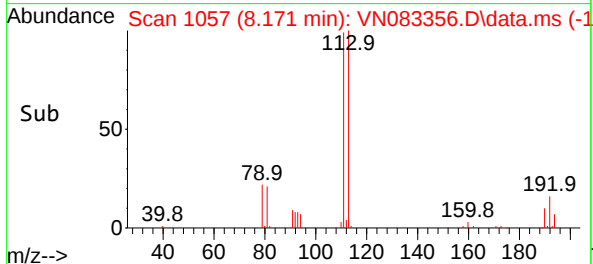
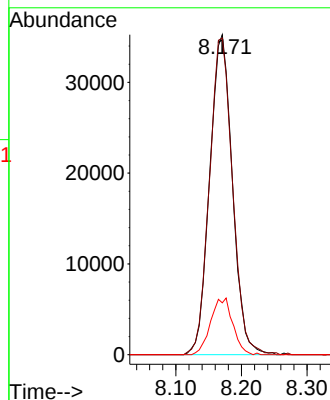
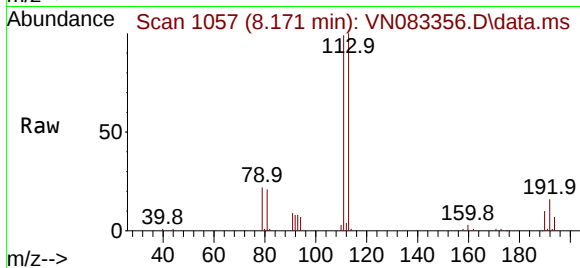
Tgt Ion:113 Resp: 84759

Ion Ratio Lower Upper

113 100

111 100.5 82.4 123.6

192 17.3 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.799 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

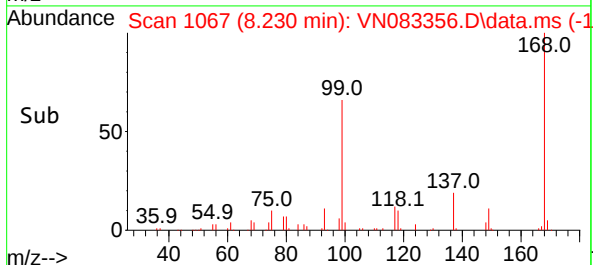
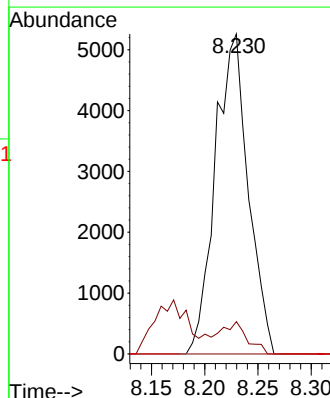
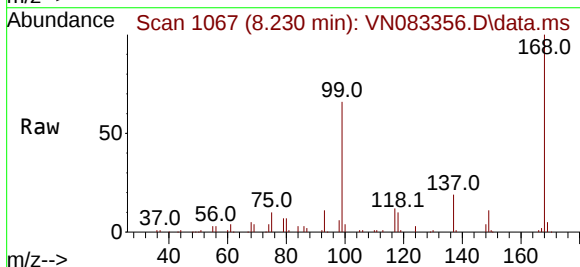
Tgt Ion: 75 Resp: 11325

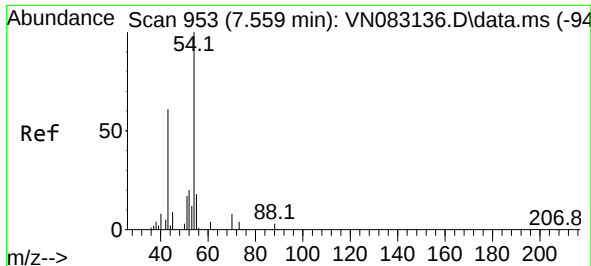
Ion Ratio Lower Upper

75 100

110 8.0 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.146 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN083356.D

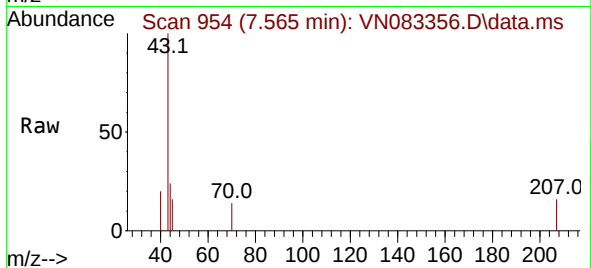
Acq: 16 Aug 2024 16:03

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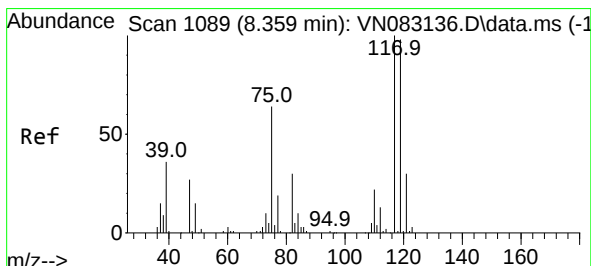
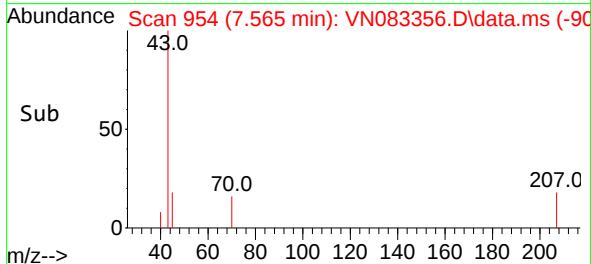
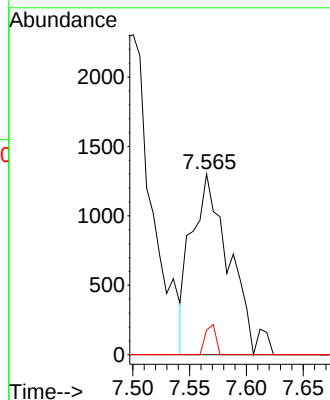
Tgt Ion: 43 Resp: 3029

Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 4.6 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.556 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

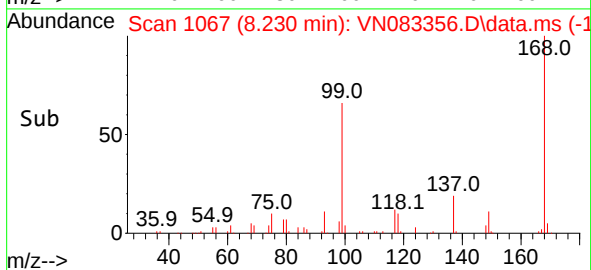
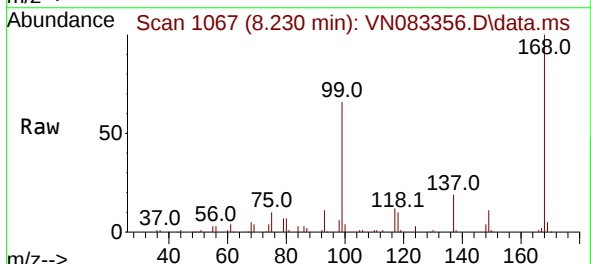
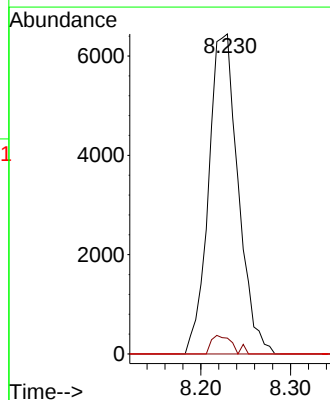
Tgt Ion: 117 Resp: 14767

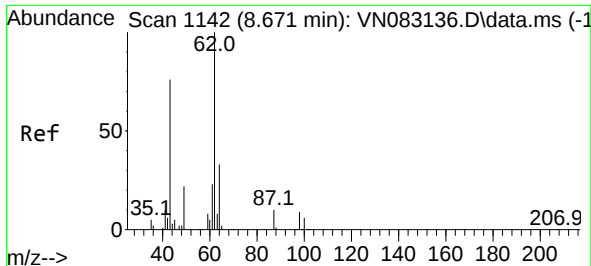
Ion Ratio Lower Upper

117 100

119 4.9 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.323 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :

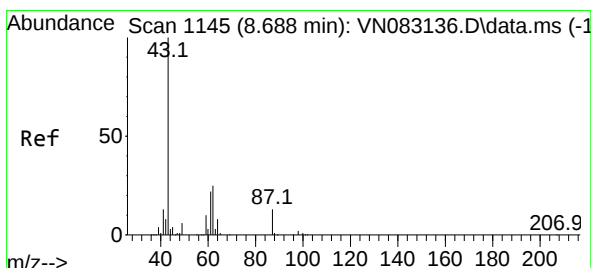
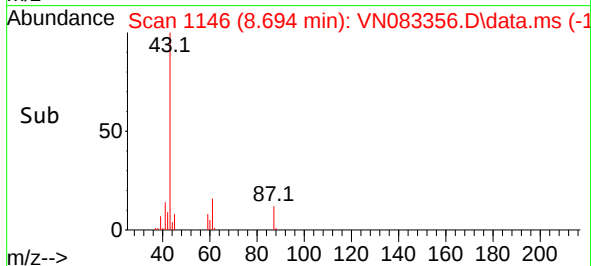
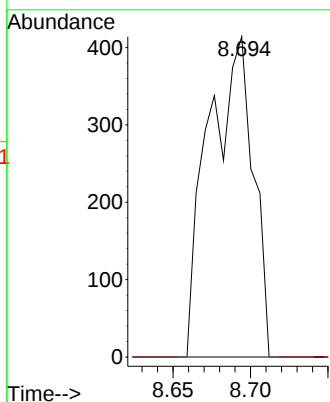
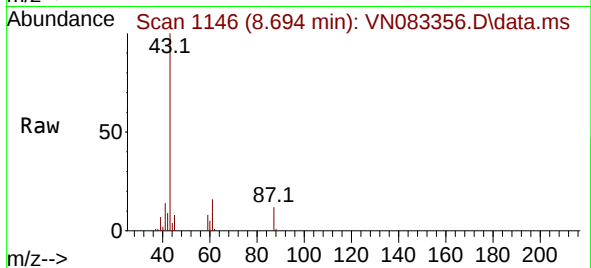
PB162767TB

Tgt Ion: 62 Resp: 826

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 31.384 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

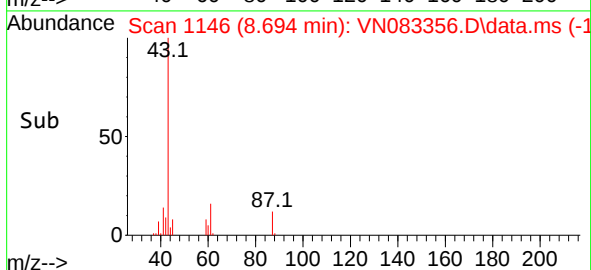
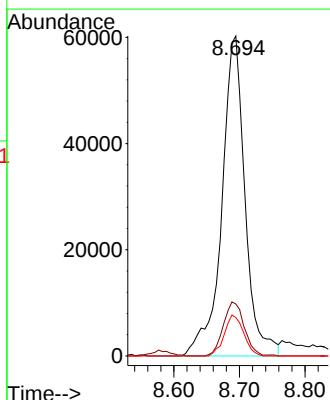
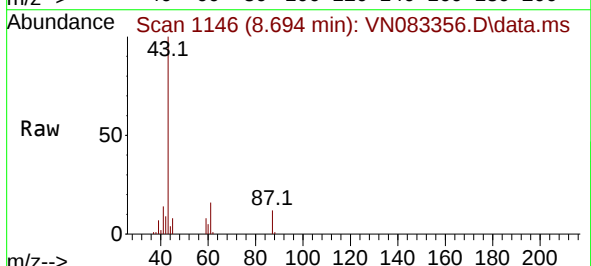
Tgt Ion: 43 Resp: 148438

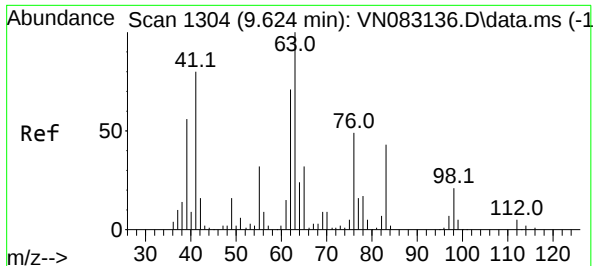
Ion Ratio Lower Upper

43 100

61 15.3 17.8 26.6#

87 10.6 8.2 12.2

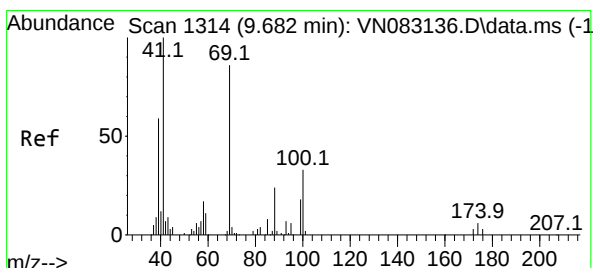
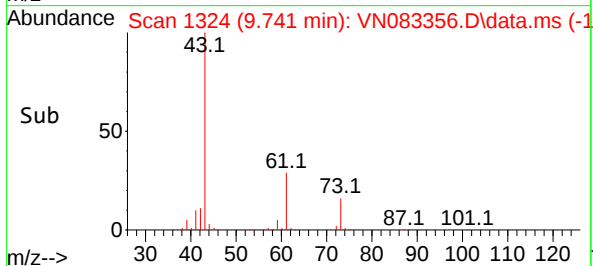
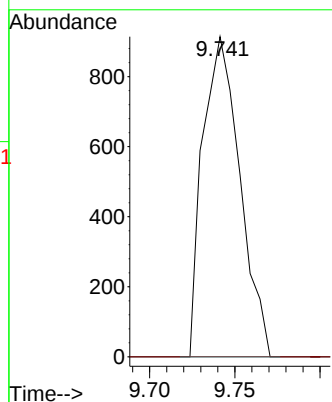
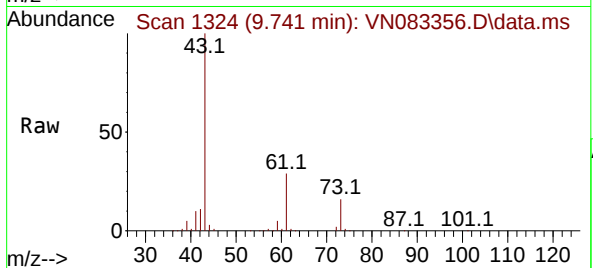




#45
1,2-Dichloropropane
Concen: 0.832 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

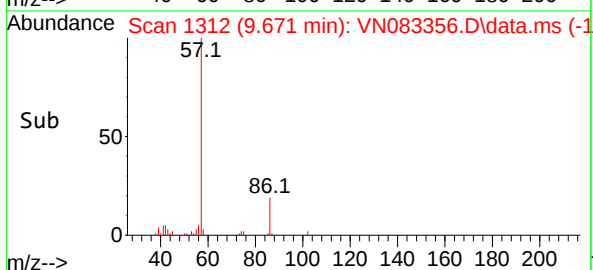
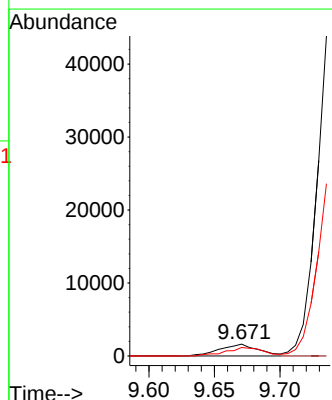
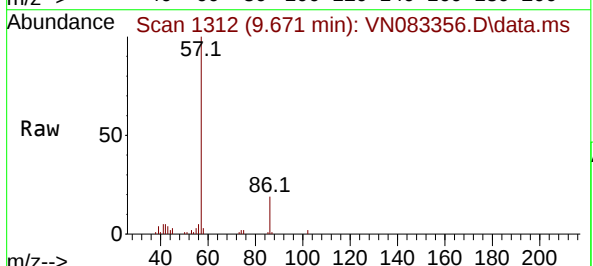
Instrument :
MSVOA_N
ClientSampleId :
PB162767TB

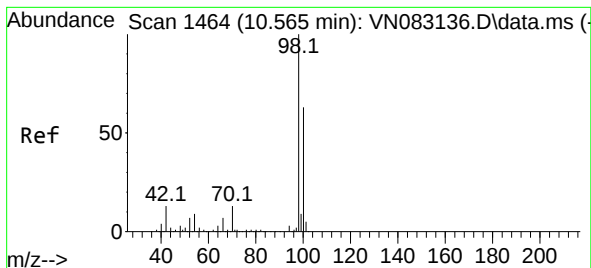
Tgt Ion: 63 Resp: 1389
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 1.505 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

Tgt Ion: 41 Resp: 3288
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 69.6 50.3 75.5

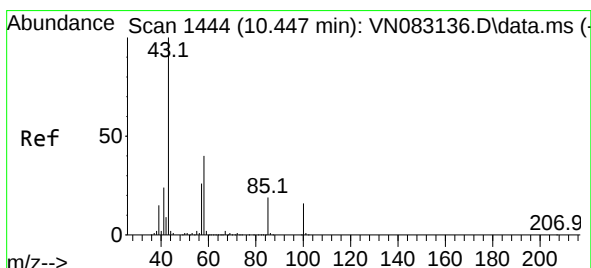
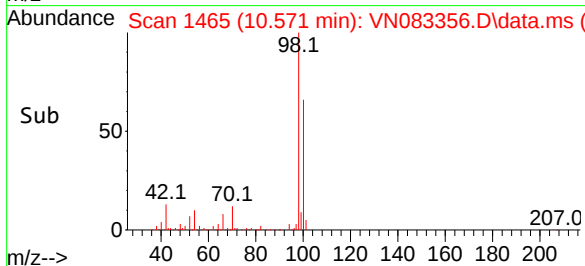
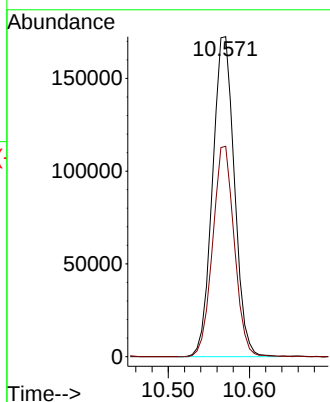
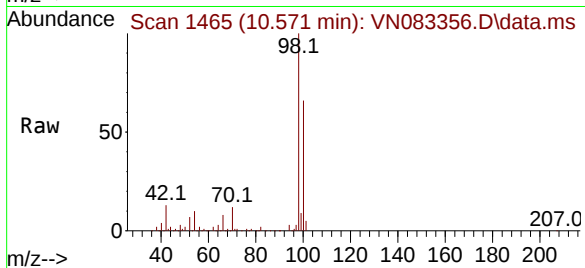




#50
Toluene-d8
Concen: 55.560 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

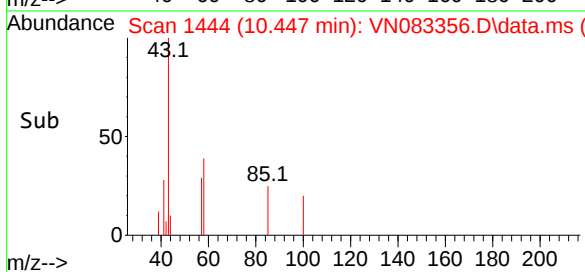
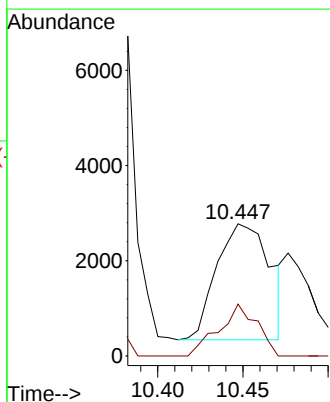
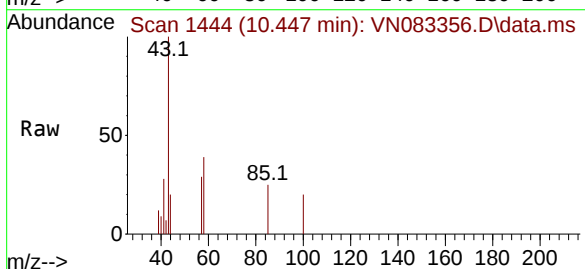
Instrument :
MSVOA_N
ClientSampleId :
PB162767TB

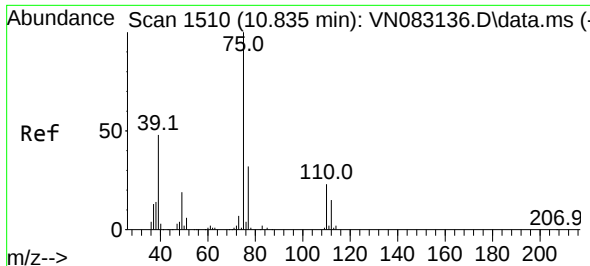
Tgt Ion: 98 Resp: 323305
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.123 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

Tgt Ion: 43 Resp: 5305
Ion Ratio Lower Upper
43 100
58 31.8 28.2 42.4

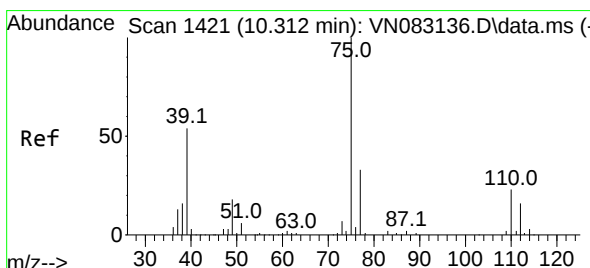
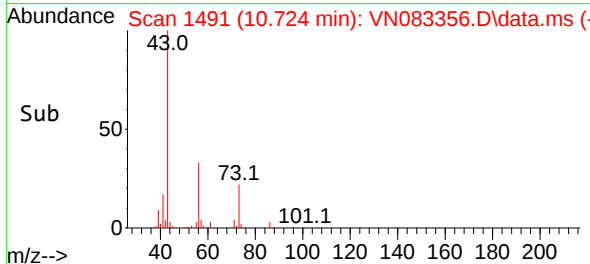
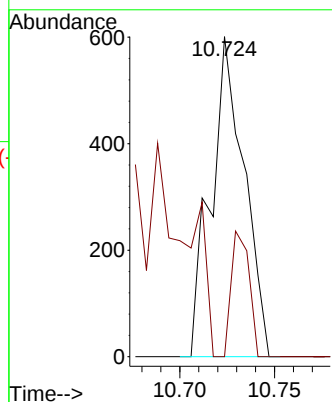
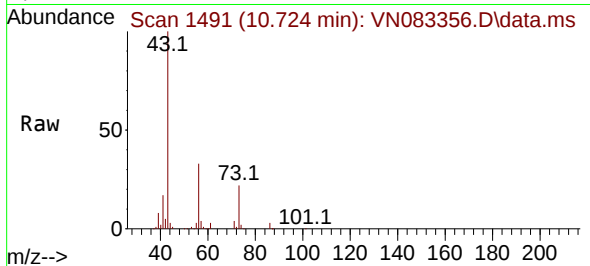




#53
t-1,3-Dichloropropene
Concen: 0.266 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

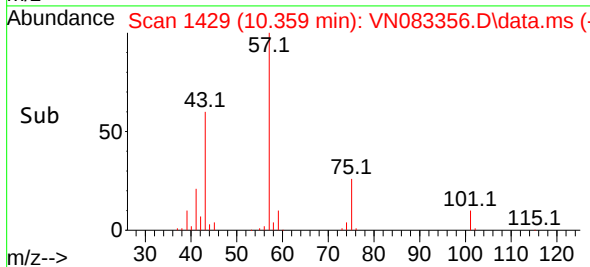
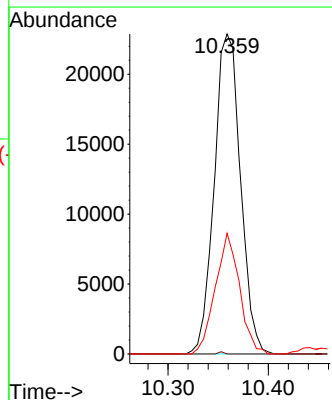
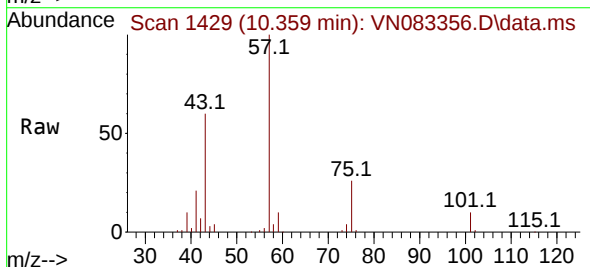
Instrument :
MSVOA_N
ClientSampleId :
PB162767TB

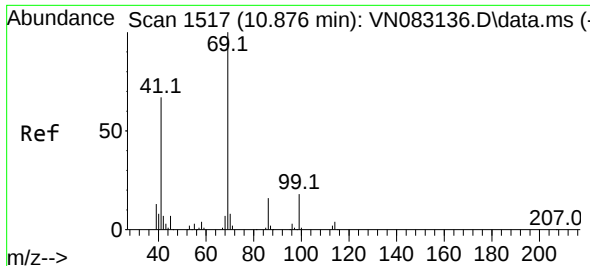
Tgt Ion: 75 Resp: 733
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 14.167 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

Tgt Ion: 75 Resp: 41511
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 37.7 50.5 75.7#

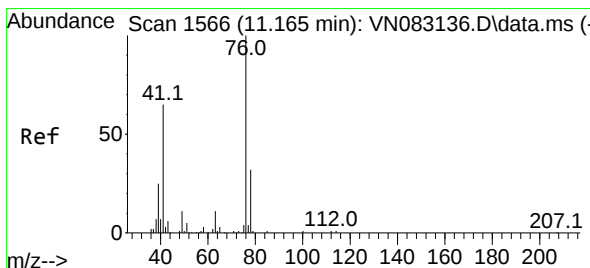
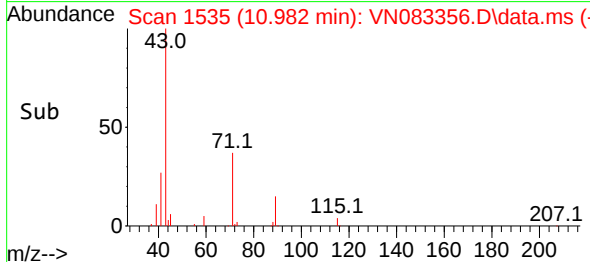
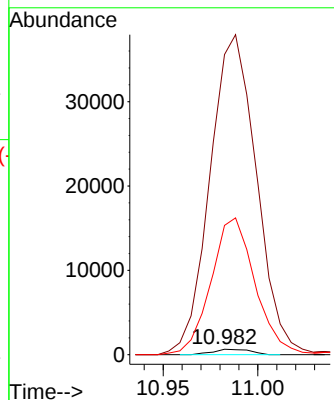
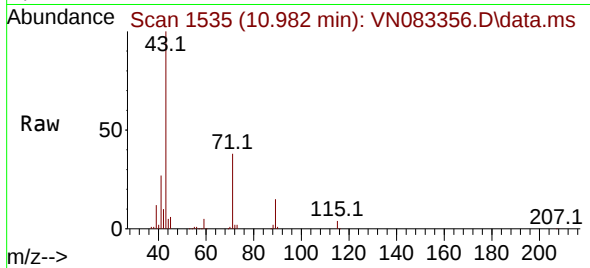




#56
Ethyl methacrylate
Concen: 0.296 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

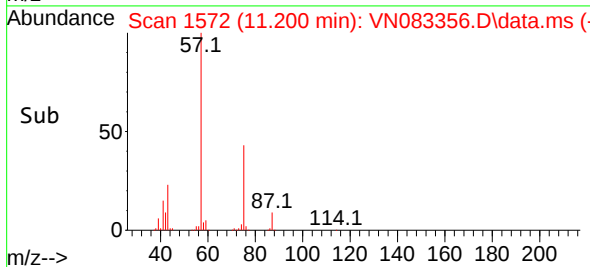
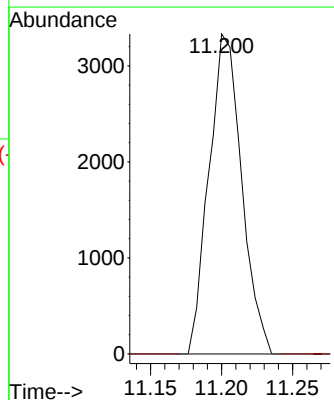
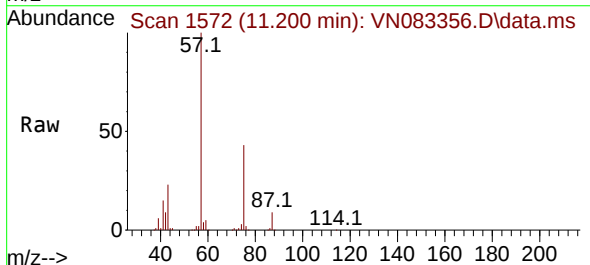
Instrument :
MSVOA_N
ClientSampleId :
PB162767TB

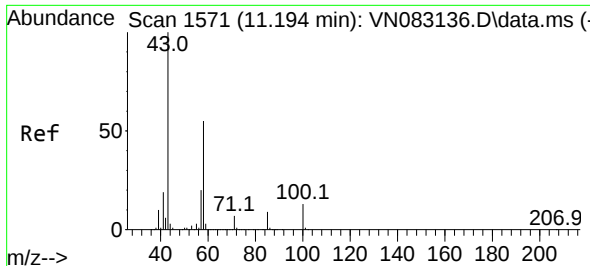
Tgt Ion: 69 Resp: 889
Ion Ratio Lower Upper
69 100
41 7337.0 63.4 95.2#
39 2960.9 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.883 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

Tgt Ion: 76 Resp: 5343
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

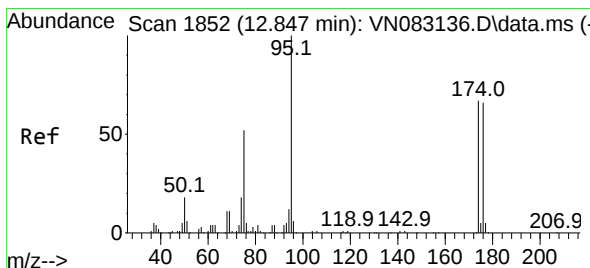
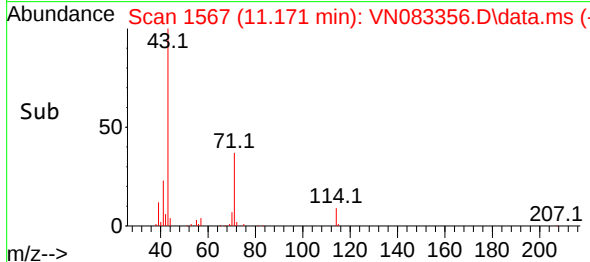
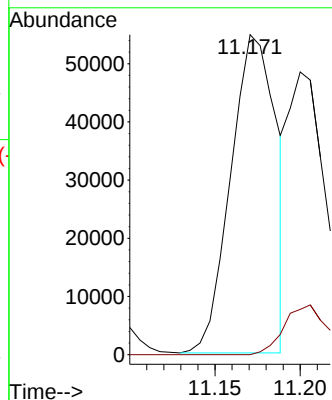
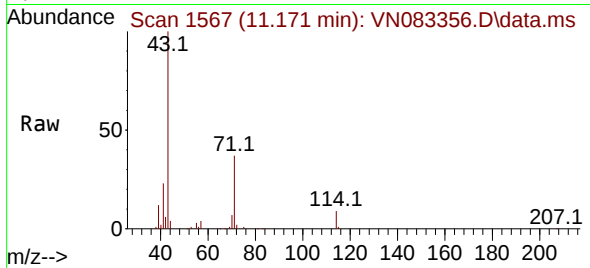




#59
2-Hexanone
Concen: 52.403 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

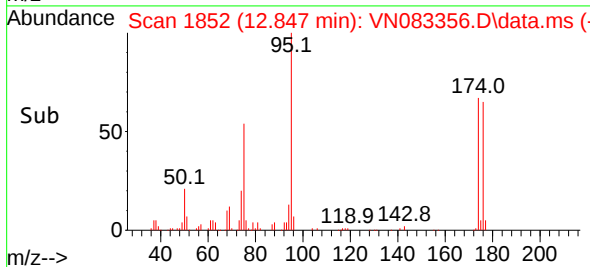
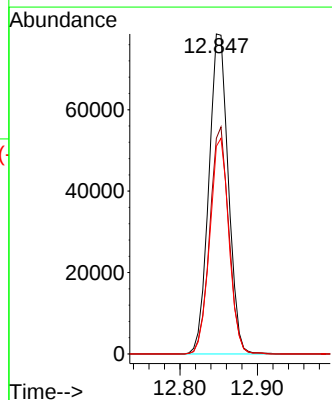
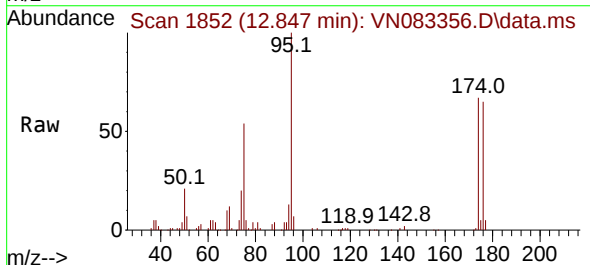
Instrument :
MSVOA_N
ClientSampleId :
PB162767TB

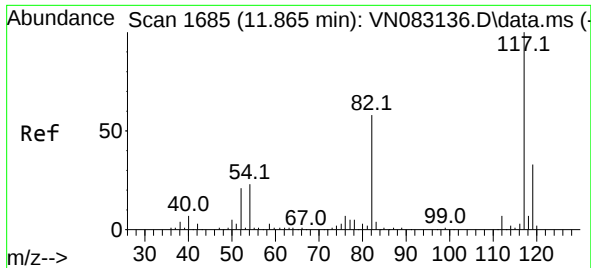
Tgt Ion: 43 Resp: 101293
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 60.452 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

Tgt Ion: 95 Resp: 137140
Ion Ratio Lower Upper
95 100
174 69.4 0.0 159.2
176 66.4 0.0 147.6

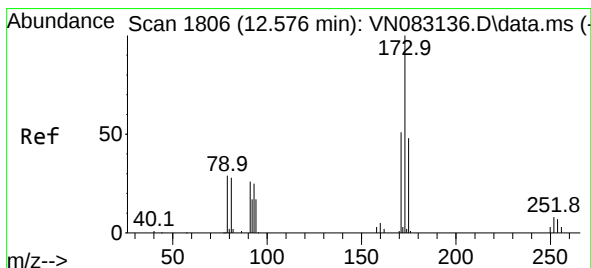
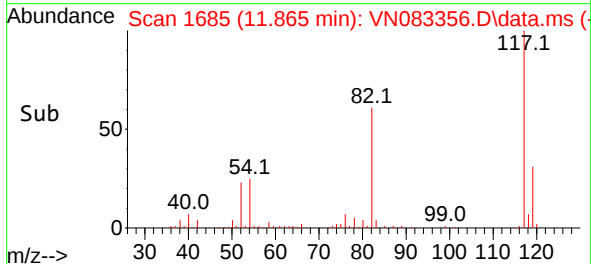
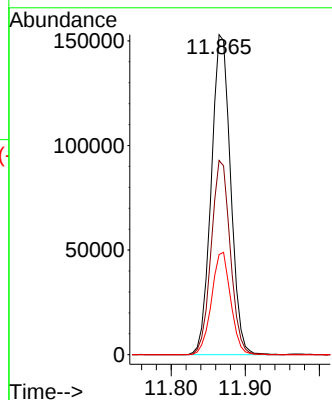
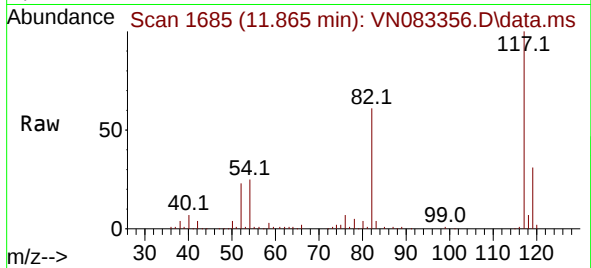




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

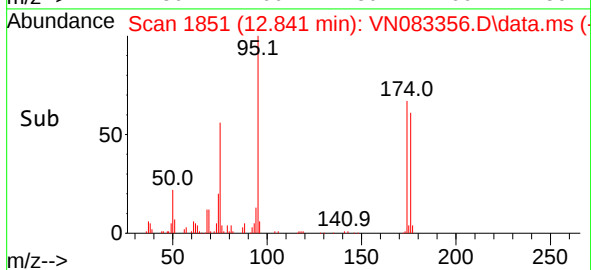
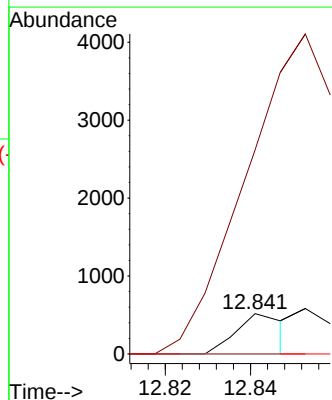
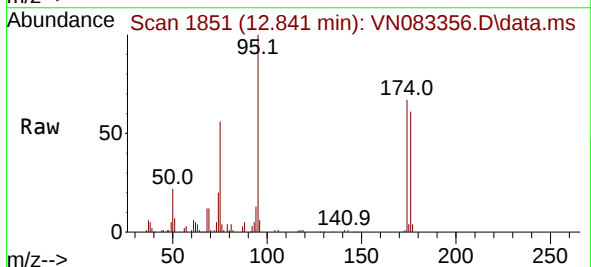
Instrument :
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ClientSampleId :
PB162767TB

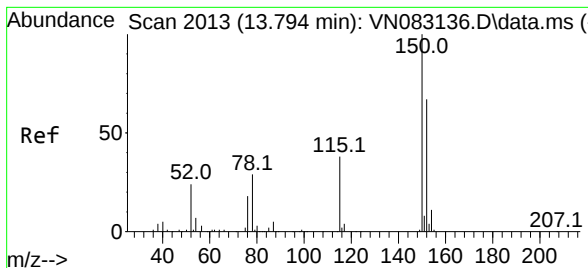
Tgt Ion:117 Resp: 276804
Ion Ratio Lower Upper
117 100
82 60.7 47.5 71.3
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.250 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN083356.D
Acq: 16 Aug 2024 16:03

Tgt Ion:173 Resp: 408
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :

PB162767TB

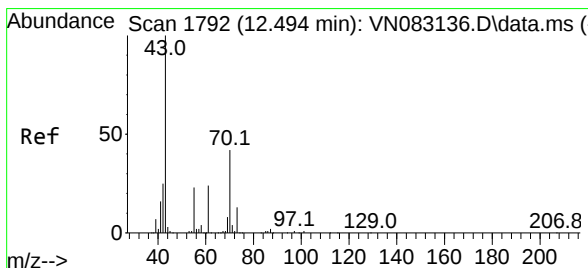
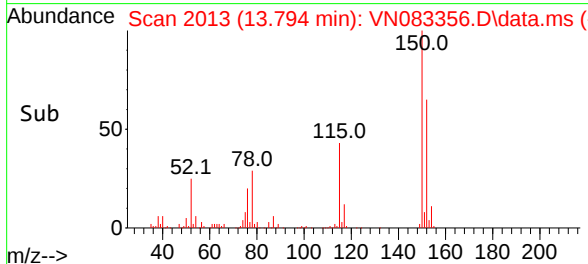
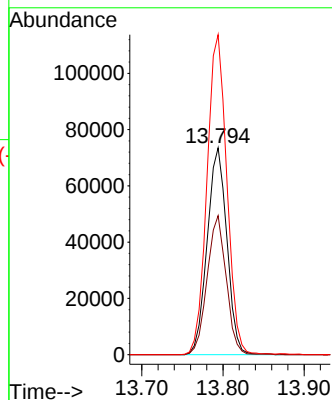
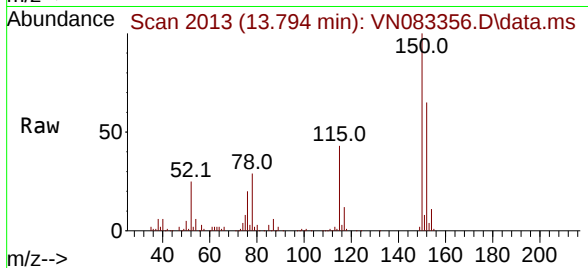
Tgt Ion:152 Resp: 123678

Ion Ratio Lower Upper

152 100

115 65.3 30.6 91.6

150 156.1 0.0 348.6



#74

N-ethyl acetate

Concen: 0.415 ug/l

RT: 12.476 min Scan# 1789

Delta R.T. -0.018 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

Tgt Ion: 43 Resp: 2100

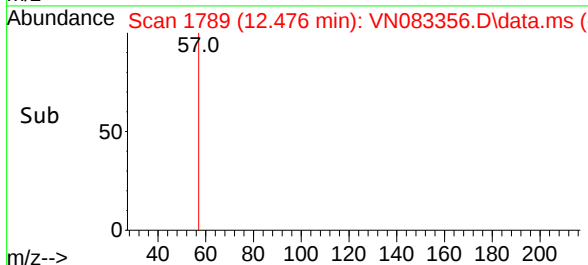
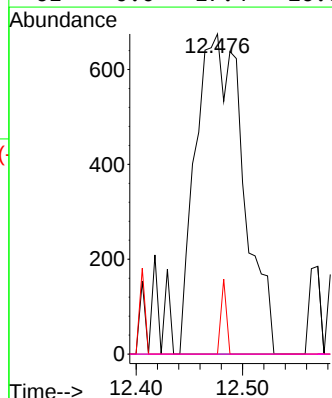
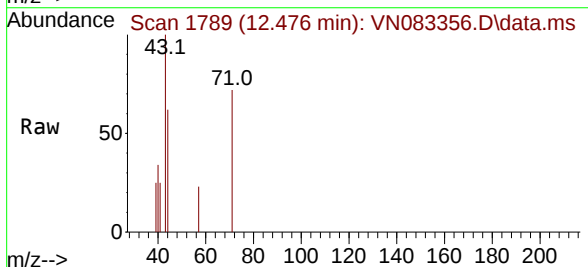
Ion Ratio Lower Upper

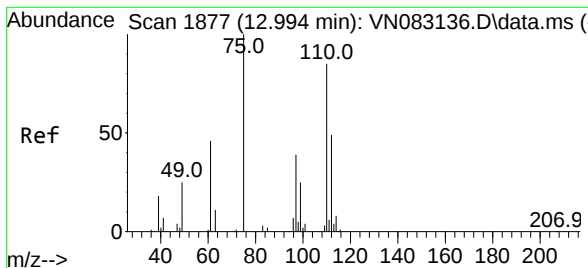
43 100

70 0.0 29.8 44.6#

55 2.7 18.7 28.1#

61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 27.405 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

Instrument :

MSVOA_N

ClientSampleId :

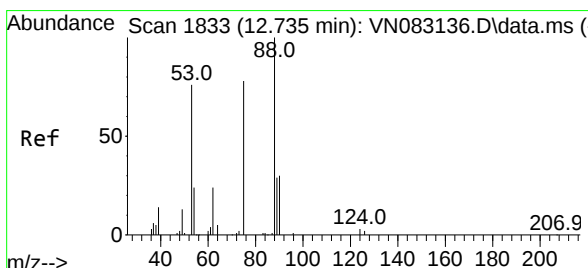
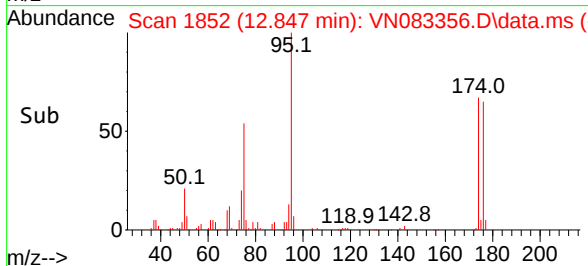
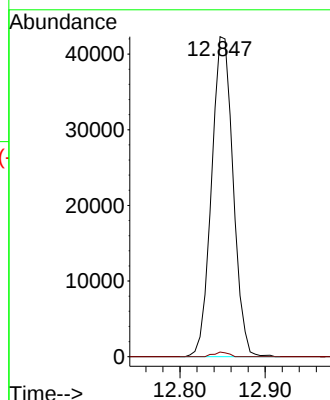
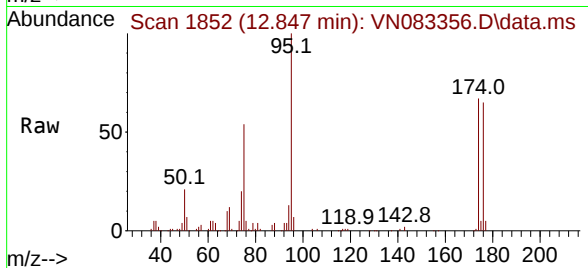
PB162767TB

Tgt Ion: 75 Resp: 74389

Ion Ratio Lower Upper

75 100

77 1.0 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.613 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083356.D

Acq: 16 Aug 2024 16:03

Tgt Ion: 75 Resp: 74389

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

